IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10,783,625 δ Filed: February 20, 2004 § Examiner: Unknown § Group/Art Unit: 2127 Inventor(s): Grzegorz J. Czajkowski \$\text{\$\exitin{\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitin{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex{ Atty. Dkt. No: 6000-33400 Glenn C. Skinner Ciaran J. Bryce Stephen C. Hahn Peter James Soper Title: Resource Domains

TRANSMITTAL OF POWER OF ATTORNEY AND NOTICE OF CHANGE OF ADDRESS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find attached a Power of Attorney with regard to the above-identified patent application. Applicant respectfully requests the Commissioner to change the correspondence address for the above-identified patent application. The old correspondence address was:

Steven R. Gilliam Zagorin, O'Brien & Graham, L.L.P. 7600B N. Capital of Texas Hwy, Suite 350 Austin. TX 78731

The new correspondence address is:

Robert C. Kowert Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, Texas 78767-0398 (512) 853-8850 If there are any questions regarding this matter, please contact me at the telephone number provided below.

Respectfully submitted,

/Robert C. Kowert/ Robert C. Kowert, Reg. #39,255 Attorney for Applicant(s)

Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, Texas 78767-0398 (512) 853-8850

Date: February 2, 2007

POWER OF ATTORNEY

Commissioner for Patents P.O. Box 1450 Alexander, VA 22313-1450

Sir

SUN MICROSYSTEMS, INC., ("assignee"), a Delaware corporation having a place of business at 4150 Network Circle, Santa Clara, California 95054, certifies that to he best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the applications listed in Appendix A (attached hereto) and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment documents that evidence the placement of title in the assignee, true and correct copies of which are attached hereto, and understands and believes that these assignment documents have been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. $\S\S1:36$ and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints

I hereby revoke any previous Powers of Attorney and appoint the practitioners at Customer Number 58467.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to:

Robert C. Kowert

Goetzel, P.C.

Meyertons, Hood, Kivlin, Kowert &

P.O. Box 398

Austin, Texas 78767-0398

(512) 853-8800

Assignee of Interest

Sun Microsystems, Inc. 4150 Network Circle

Santa Clara, California 95054

Dated: Oct. 12, 2006 By: Jacob A. Jane

Name. Joseph A. Twarowski Reg. No.: 42,191

Title: Assistant General Counsel, IP Legal Group

APPENDIX A

1

				ATTENDIAA	
Atty Dkt.	Client Ref.	Filing Date / Serial No.	Reel / Frame	Title	Inventors
6000-30301	P8147PSP	F 5/10/02 60/379,316	NA	Generic Implementation of Eliptic Curve Cryptography Using Partial Reduction	Hans Eberle Nils Gura
6000-30302	P8147PSP1	F 6/14/02 60/389,135	NA	Hardware Acceleration of Elliptic Curve Cryptography for Arbitrary Curves over GF(2m)	Nils Gura Hans Eberle
6000-30303	P8147PSP2	F 8/1/02 60/400,223	NA	End-to-End Systems Approach to Elliptic Curve Cryptography	Edouard Groupy, Hans Eberle Nils Gura
6000-30600	SUN050454PRV	F 8/17/05 60/708,928	NA	Conditional Multi-Store Synchronization Mechanisms	Mark Moir Robert Cypher Paul Lowenstein
6000-30602	SUN050454NP2	F 8/17/06 11/465,383	NA	Instruction Set Architecture Employing Conditional Multi-Store Synchronization	Mark Moir Robert Cypher Paul Lowenstein
6000-30700	SUN040362	F 7/20/04 10/894,829	015618 / 0987	Using Transactional Memory with Early Release to Implement Non-Blocking Dynamic-Sized Data Structure	Mark S. Moir Maurice Herlihy
6000-30800	SUN040363	F 7/20/04 10/894,828	015616 / 0710	Technique to Allow a First Transaction to Wait on Condition that Affects its Working Set	Mark S. Moir and Maurice Herlihy
6000-30900	SUN040496	F 12/30/04 11/026,255	015889 / 0294 & 016160 / 0569	Lightweight Reference Counting Using Single-Target Synchronization	Mark S. Moir, Simor Doherty, Victor M. Luchangco and Maurice Herlihy
6000-31000	SUN040495	F 9/14/05 11/226,038	016960 / 0400 & 016980 / 0660	Space-Adaptive Lock-Free Queue Using Pointer-Sized Single-Target Synchronization	Simon Doherty, Maurice Herlihy, Victor M. Luchango and Mark S. Moir
6000-31100	SUN040488	F 12/30/04 11/026,849	015809 / 0312 & 016141 / 0814	Practical Implementation of Arbitrary-Sized LL/SC Variables	Mark S. Moir, Simon Doherty, Victor M. Luchangeo and Maurice Herlihy
6000-31200	SUN040497	F 12/30/04 11/026,850	015832 / 0317 & 016141 / 0838	Space-Adaptive Lock-Free Free-List Using Pointer- Sized Single-Target Synchronization	Simon Doherty, Mark S. Moir, Simon Doherty, Victor M. Luchangco and Maurice Herlihy

6000-31300	SUN040584	F 4/23/04 10/830,661	015260 / 0290	Accelerating Elliptic Curve Point Multiplication Through Batched Inversions	Nils Gura, Stephen C. Fung, Douglas Stebila and Hans Eberle
6000-31400	SUN040649	F 11/23/04 10/995,885	015520 / 0813	Meta-Transactional Synchronization	Nir N. Shavit and Maurice P. Herlihy
6000-31401	SUN040649PSP	F 12/19/03 60/531,121	NA	Meta-Transactional Support for Synchronization	Nir N. Shavit and Maurice P. Herlihy
6000-31500	SUN030132	F 2/27/04 10/789,311	015038 / 0212	Method and Apparatus for Implementing Processor Instructions for Accelerating Public-Key Cryptography	Sheueling Chang Shantz, Leonard Rarick, Lawrence Spracklen, Hans Eberle and Nils Gura
6000-31600	SUN040665	F 8/10/04 10/915,502	015675 / 0605	Hybrid Software/Hardware Transactional Memory	Mark S. Moir
6000-31700	P8830	F 9/14/03 10/670,495	014547 / 0213	Efficient Non-Blocking K-Compare-Single-Swap Operation	Nir N. Shavit Mark S. Moir and Victor M. Luchangco
6000-31800	P2648	F 4/2/02 10/115,874 I 4/13/04 6,721,864	N/A	Programmable Memory Controller	Shrinath A. Keskar Massoud Hadjimohammadi
6000-31900	SUN050373	F 6/13/05 11/150,924	016709 / 0663	Dynamic Defense of Network Attacks	Radia J. Perlman
6000-32000	SUN040002	F 4/15/05 11/106,790	016483 / 0441	Obstruction-Free Data Structures and Mechanisms with Separable and/or Substitutable Contention Management Mechanisms	Mark S. Moir, Victor M. Luchangco and Maurice Herlihy
6000-32100	SUN050041	F 10/15/04 11/966,465	015906 / 0218	Scalable and Lock-Free First-In-First-Out Queue Implementation	Mark S. Moir, Orli Shalev and Nir N. Shavit
6000-32200	SUN050120	F 3/4/05 11/072,061	016366 / 0013	Method and Apparatus for Reducing Bandwidth Usage in Secure Transactions	Vipul Gupta, Nils Gura and Arvinderpal S. Wander
6000-32300	P9388PSP	F 6/30/2003 60/483,818	N/A	Accelerating Public-Key Cryptography	Sheueling CHang Shantz, Hans Eberle, Nils Gura, Lawrence Spracklen and Leonard Rarick
6000-32301	P9388	F 7/24/03 10/626,420	014320 / 0118	Method and Apapratus for Implementing Processor Instructions for Accelerating Public-Key Cryptography	Sheueling CHang Shantz, Hans Eberle, Nils Gura, Lawrence Spracklen and Leonard Rarick
6000-32400	P7125	F 1/10/03 10/340,156	014246 / 0325	Value Recycling Facility for Multithreaded Computations	Mark S. Moir, Victor Luchangco and Maurice Herlihy
6000-32401	P7125PSP	F1/11/02 60/347,773	NA	Lock-Free Mechanism for Supporting Dynamic-Sized Data Structures, Implementations of the Lock-Free Mechanism and Exploitations Thereof for Exemplary	Mark S. Moir, Maurice Herlihy, Victor Luchangco,

				Classes of Data Structures and Software Development/Transformation Techniques	Paul A. Martin, David L. Detlefts, Guy L. Steele, Jr.
6000-32500	P8728	F 9/24/03 10/669,948	014547 / 0827	Quickly Reacquirable Locks	David Dice, Mark S. Moir and William N. Scherer, III
6000-32600	P8389	F 3/11/03 10/387,008	013866 / 0219	Generic Modular Multiplier Using Partial Reduction	Nils Gura and Hans Eberle
6000-32601	P8389PSP	F 11/15/02 60/426,783	NA	Cryptographic Processor for Arbitrary Elliptic Curves over GF(2m)	Hans Eberle, Nils Gura, Sheueling Change-Shantz
6000-32700	P8089	F 3/11/03 10/387,009	013866 / 0213	Modular Multiplier	Hans Eberle, Nils Gura, Russell A. Brown, Sheueling Change-Shantz and Vipul Gupta
6000-32800	SUN060319PSP	F 6/9/06 60/804,410	N/A	Systems and Methods for Debugging and Related Code Development Techniques Suitable for Transactional Memory	Yosef Lev, Mark S. Moir and Maurice P. Herlihy
6000-32900	SUN050178	F 6/20/05 11/156,822	016716 / 0937	Cluster-Wide Resource Usage Monitoring	Grzegorz J. Czajkowski, Glenn C. Skinner, Laurent P. Daynes and Krzysztof Palacz
6000-33000	P9203	F 1/10/03 10/340,150	013659 / 0780	Single-Word Lock-Free Reference Counting	Mark S. Moir, Victor Luchangco and Maurice Herlihy
6000-33100	SUN041115	F 12/9/04 11/008,692	016083 / 0271	Read Sharing for Transactional Memory	Yosef LEv and Mark S. Moir
6000-33200	P9630	F 2/20/04 10/783,738	015013 / 0834	Resource Management Interface	Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn and Peter James Soper
6000-33300	P9631	F 2/20/04 10/783,448	015021 / 0003	Regulation of Resource Requests to Control Rate of Resource Consumption	Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn and Peter James Soper
6000-33400	P9634	F 2/20/04 10/783,625	015014 / 0776	Resource Domains	Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn and Peter James Soper
6000-33500	P7936	F 3/11/03 10/387,007	013870 / 0056	Hardware Accelerator for Elliptic Curve Cryptography	Hans Eberle, Nils Gura, Daniel Finchelstein, Sheueling Change- Shantz and Vipul Gupta

6000-33501	P7936PSP	F 5/1/02 60/376,742	NA	End-to-End System Approach to Elliptic Curve Cryptography	Hans Eberle, Nils Gura, Daniel F. Finchelstein, Chang Shantz, Sumit Gupta and Vipul Gupta
6000-33600	P8515	F 7/16/03 10/620,747	014298 / 0281	Obstruction-Free Mechanism for Atomic Update of Multiple Non-Contiguous Locations in Shared Memory	Mark S. Moir, Victor M. Luchangco and Maurice Herlihy
6000-33700	P8193	F 7/16/03 10/621,078	014304 / 0997	Space- and Time-Adaptive Nonblocking Algorithms	Mark S. Moir, Victor M. Luchangeo and Maurice Herlihy
6000-33800	P8252	F 7/16/03 10/620,748	014299 / 0210	Obstruction-Free Synchronization for Shared Data Structures	Mark S. Moir, Victor M. Luchangco and Maurice Herlihy
6000-33900	SUN040206	F 6/11/04 10/866,570	014834 / 0714 & 014834 / 0645	Non-Blocking Growable Arrays	Mark S. Moir Simon Doherty
6000-34000	SUN050380	F 6/1/05 11/141,918	016365 / 0835	Method and Apparatus for Estimating Nultithreaded Processor Throughput Based on Processor Cache Performance	Alexandra Fedorova
6000-34100	SUN030381	F 6/1/05 11/141,775	016349 / 0365	Method and Apparatus for Estimating the Effect of Processor Cache Memory Bus Delays on Multithreaded Processor Throughput	Alexandra Fedorova
6000-34200	SUN060067	F 12/19/05 11/311,506	017018 / 0933	Method and Apparatus for Improving Transaction Memory Interactions by Tracking Object Visibility	Yosef Lev Jan-Willem Maessen Mark S. Moir
6000-34300	SUN060361	F 8/29/06 11/511,804	NA	Method and Apparatus for Achieving Fair Cache Sharing on Multi-Threaded Chip Multiprocessors	Alexandra Fedorova
6000-34400	SUN040929PSP	F 3/2/04 60/549,238	NA	Comparing Elliptic Curve Cryptography and RSA on Small Devices	Nils Gura Lawrence A. Spracklen
6000-34401	SUN040929	F 11/23/04 10/996,103	015507/ 0453 & 016029 / 0832	Hybrid Multi-Precision Multiplication	Nils Gura Lawrence A. Spracklen
6000-34500	SUN040055	F 6/7/04 10/862,592	015457 / 0331	Accounting of Generationally Organized Memory	Grzegorz J. Czajkowski Glenn C. Skinner Laurent P. Daynes
6000-34600	SUN050180	F 5/10/05 11/125,579	016556 / 0227 &	Combining Different Resource Types	Grzegorz J. Czajkowski, Glenn C. Skinner Laurent P. Daynes
6000-35900	SUN060314	F 10/25/06 11/552,884	N/A	Breakpoints in a Transactional Memory-Based Representation of Code	Yosef Lev Mark S. Moir
6000-35800	SUN060315	F 10/25/06 11/552,895	N/A	Viewing and Modifying Transactional Variables	Yosef Lev Mark S. Moir Maurice P. Herlihy
6000-35700	SUN060316	F 10/25/06 11/552,890	N/A	Atomic Groups for Debugging	Yosef Lev Mark S. Moir

6000-35600	SUN060317	F 10/25/06 11/552,903	N/A	Watchpoints on Transactional Variables	Yosef Lev Mark S. Moir
6000-35500	SUN060318	F 10/25/06 11/552,907	N/A	Delayed Breakpoints	Yosef Lev Mark S. Moir
6000-31001	SUN040495CNT1	F 1/30/06 11/343,678	N/A	Code Preparation Technique Employing Lock-Free Pointer Operations	Mark S. Moir David L. Detlefs Simon Doherty Maurice P. Herlihy Victor M. Luchangco Paul A. Martin Guy L. Steele Jr.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 21, 2004

PTAS

ZAGORIN, O'BRIEN & GRAHAM, L.L.P. STEVEN R. GILLIAM 7600B N. CAPITAL OF TEXAS HWY, SUITE 350 AUSTIN, TX 78731



004-9434

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REEL/FRAME: 015014/0776 NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). DOCKET NUMBER: 004-9634

ASSIGNOR:

CZAJKOWSKI, GRZEGORZ J.

DOC DATE: 02/09/2004

ASSIGNOR:

SKINNER, GLENN C.

DOC DATE: 02/09/2004

ASSIGNOR:

BRYCE, CIARAN J.

DOC DATE: 02/04/2004

ASSIGNOR:

HAHN, STEPHEN C.

DOC DATE: 01/30/2004

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AUG 2 7 2004

ASSIGNOR:

SOPER, PETER JAMES

DOC DATE: 02/13/2004

015014/0776 PAGE 2

ASSIGNEE:

SUN MICROSYSTEMS, INC.

4150 NETWORK CIRCLE

M/S MTV29-233

SANTA CLARA, CALIFORNIA 95054

SERIAL NUMBER: 10783625

PATENT NUMBER:

TITLE: RESOURCE DOMAINS

FILING DATE: 02/20/2004

ISSUE DATE:

AMUKHARI MULLINS, EXAMINER ASSIGNMENT DIVISION

ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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Name of conveying party(ies):	2. Name and address of receiving party(ies):
Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn and Peter James Soper Additional name(s) of conveying party(ies) attached?	Name: Sun Microsystems, Inc. Internal Address: M/S MTV29-233 Street Address: 4150 Network Circle
□Yes ⊠ No	City/State/Zip: Santa Clara, CA 95054
1	Additional name(s) & address(es) attached?
3. Nature of Conveyance:	22859 U.S. PTO 10/783625
 Application number(s) or patent number(s): If this document is being filed together with a new application 2/4/04, 1/30/04 and 2/13/04 respectively 	
A. Patent Application No.:	B. Patent No.: 2/20/04 ched? □ Yes ⋈ No /0783625
Additional numbers atta	ched? □ Yes ⊠ No /0783625
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Steven R. Gilliam Internal Address: Zagorin, O'Brien & Graham, L.L.P. Street Address: 7600B N. Capital of Texas Hwy, Suite 350 City/State/Zip: Austin, TX 78751	6. Total number of applications and patents involved: _1
726/2004 HLE333 00000048 10783625 FC:8021 40.00 DP	7. Total Fee (37 CFR 3.41): \$_40.00 A check is enclosed for the Total Fee shown above Please charge the Total Fee shown above to Deposit Account 50-0631 Authorized to charge additional fees to Deposit Account 50-0631
DO NOT US	E THIS SPACE
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Statement and signature. To the best of my knowledge and belief, the foregoing informat of the original document. Steven R. Gilliam Reg. No. 51,734 Name of Person Signing	ion is true and correct and any attached copy is a true copy 2/20/2004 Date Total number of pages including cover sheet: _9
Express Mail Label No.	: EV401038431US

For good and valuable consideration, the receipt of which is hereby acknowledged, I. an ASSIGNOR named below,

Grzegorz J. Czajkowski of Mountain View, CA
Glenn C. Skinner of Palo Alto, CA
Ciaran J. Bryce of Geneva, Switzerland
Stephen C. Hahn
Peter James Soper of Apex, NC

hereby sell, assign and transfer to

ASSIGNEE: Sun Microsystems, Inc., a Delaware corporation, having a principal place of business at 4150 Network Circle, Santa Clara, CA 95054,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

X	U.S. Patent Application executed on or about the date of this Assignment,	
	U.S. Patent Application executed on, or	
	U.S. Provisional Application	
	U.S. Application No.:, filed on	
\neg	International Application No.: PCT/, filed on	_

ENTITLED: RESOURCE DOMAINS, and naming as

INVENTOR(S): Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn, and Peter James Soper

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries.

Executed on	02/03	_ 200 <u> </u>	by	C n Kos & Grzegorz J. Czajkowski
Executed on	9-Fe6	_, 200_1/	by_	Glenn C. Skinner
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Executed on		_, 200	by_	Stephen C. Hahn
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Executed on _		_, 200	_ by	Peter James Soper

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Grz	zegorz J. Czajkowski	ot	Mountain View, CA
	Glenn C. Skinner	of	Palo Alto, CA
	Ciaran J. Bryce	of	Geneva, Switzerland
			Redwood City, CA
	Peter James Soper		Apex, NC
hereby sell, assign and	transfer to		
ASSIGNEE:			., a Delaware corporation, having a principal 50 Network Circle, Santa Clara, CA 95054,
			ny entire right, title and interest throughout and to the invention(s) disclosed in:
U.S. Patent	t Application executed sional Application	on_	r about the date of this Assignment,, or, filed on
mternation	ai Application No <u>FC</u>	-1/	, med on
ENTITLED:	RESOURCE DOMA	INS.	, and naming as
INVENTOR(S): Grzegorz J. Czajk Stephen C. Hahn,		i, Glenn C. Skinner, Ciaran J. Bryce, Peter James Soper
States and foreign app	lications (including in	terna	and interest in and to any and all United tional, regional and foreign national sions, continuations, continuations-in-part,

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (/ filed) when they become known.

renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including

any reissues and reexaminations thereof.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries.

Executed on	, 200	by_	Grzegorz J. Czajkowski
Executed on	, 200	by_	Glenn C. Skinner
Executed on 4th feb	, 200 <u>4</u>	by_	Ciarán Buke Ciarán J. Bryce
Executed on	, 200	_ by _	Stephen C. Hahn
Executed on	, 200	_ by _	Peter James Soper

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Grzegorz J. Czajkowski of Mountain View, CA
Glenn C. Skinner
Ciaran J. Bryce
Stephen C. Hahn
Peter James Soper
Of Redwood City, CA
of Apex, NC

hereby sell, assign and transfer to

ASSIGNEE: Sun Microsystems, Inc., a Delaware corporation, having a principal place of business at 4150 Network Circle, Santa Clara, CA 95054,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

X	U.S. Patent Application executed on or	about the d	ate of this Assignment,	
	U.S. Patent Application executed on		, or	
	U.S. Provisional Application			
П	U.S. Application No.:	, filed on _		
	International Application No.: PCT/		, filed on	

ENTITLED: RESOURCE DOMAINS, and naming as

INVENTOR(S): Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn, and Peter James Soper

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

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Executed on	, 200	by	Grzegorz J. Czajkowski
Executed on	, 200	_ by	Glenn C. Skinner
Executed on	_, 200	_ by	Ciaran J. Bryce
Executed on 30 JANUARY	_, 200 <u></u> 4	_ by	Stephen C. Hahn
Executed on	_, 200	_ by _	Peter James Soper

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Grzegorz J. Czajkowski of Mountain View, CA Glenn C. Skinner of Palo Alto, CA Ciaran J. Bryce of Geneva, Switzerland Stephen C. Hahn of Redwood City, CA Peter James Soper of Apex, NC hereby sell, assign and transfer to Sun Microsystems, Inc., a Delaware corporation, having a principal ASSIGNEE: place of business at 4150 Network Circle, Santa Clara, CA 95054, its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in: U.S. Patent Application executed on or about the date of this Assignment, U.S. Patent Application executed on _____, or U.S. Provisional Application | U.S. Application No.: ______, filed on ______, ENTITLED: RESOURCE DOMAINS, and naming as INVENTOR(S): Grzegorz J. Czajkowski, Glenn C. Skinner, Ciaran J. Bryce, Stephen C. Hahn, and Peter James Soper

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including international, regional and foreign national applications) for said invention(s), including divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that the application number and filing date be inserted here, if not already shown above, (__/____, filed ______) when they become known.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries.

Executed on	, 200	_ by	Grzegorz J. Czajkowski
Executed on	, 200_	_ by	Glenn C. Skinner
Executed on	, 200	_ by	Ciaran J. Bryce
Executed on	, 200	_ by	Stephen C. Hahn
			Peter James Soper